

EPA P2 Measurement Tools

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It is my pleasure to share the release of our Pollution Prevention Program measurement tools for calculating greenhouse gas emission reductions, P2 cost savings, and converting gallons of hazardous materials into pounds. Many of you in the P2 community have helped us in reviewing, testing, and commenting on these tools in their development and your assistance has greatly improved them. Your input has helped us frame the unit conversions better, make the references clearer, the transparency of input data sharper, and the training elements smoother. I appreciate your work and hope we can continue in this manner in the interest of continual improvement. Please note that the greenhouse gas calculator tool was reviewed by a panel of P2 experts, and that all tools were reviewed by participants in webinars and conferences reaching over 500 people.

The tools are housed on the National Pollution Prevention Roundtable website, accessible at:

<http://www.p2.org/category/general-resources/p2-data-calculators/>

This speaks to the close collaboration between EPA and NPPR.

Just as a reminder for those marketing pollution prevention solutions, measured results are a real plus. These tools can work for anyone, but EPA designed them specifically with state and local government, project managers, grantees, and business facilities in mind. To have economic and environmental evidence about P2 solutions already implemented is informative. Having objective evidence of whether an environmental solution has enhanced a firm's bottom line is needed today. Measuring the environmental and economic results of preventing pollution helps businesses and government make good decisions. Brief descriptions of each tool are provided below:

P2 Greenhouse Gas Calculator: The P2 GHG Calculator calculates GHG emission reductions from electricity conservation, green energy, fuel and chemical substitutions with lower GHG-intensities, water conservation, and improved materials and process management in the chemical manufacturing sector. This tool will assist program participants to submit higher-quality data for the program measure, and demonstrates the unique multi-media perspective that P2 brings to reduce metric tons of carbon dioxide equivalent (MTCO₂e).

P2 Cost Savings Calculator: The P2 Cost Calculator assesses cost savings associated with reduced costs for hazardous inputs in a facility process, reduced costs for handling hazardous waste, reductions in annual air permitting fees that are based on actual emissions, reduced water discharge treatment costs based on gallons discharged, reduced charges for water usage, reduced fuel costs, and reduced costs for electricity. Understanding potential cost savings presents a big incentive for action and collaboration to program beneficiaries.

Gallons to Pounds Converter: This is designed to provide conversions from units commonly encountered in business to units needed for P2 Program measures. It is not uncommon for hazardous materials to be measured in gallons for business purposes - gallons of paint, and gallons of waste water, for example. For program purposes, all these gallon measures need to be converted to pounds of hazardous materials for the program measure "pounds of hazardous materials reduced."

Thank you to all in the P2 community for using and sharing this suite of P2 tools. If you have any questions, please do not hesitate to contact Kathy Davey (davey.kathy@epa.gov) at 202-564-8832 or Natalie Hummel (hummel.natalie@epa.gov) at 202-564-1424. We look forward to receiving your continuing feedback on the use of these tools.